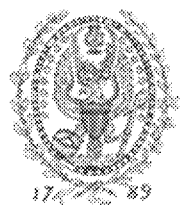
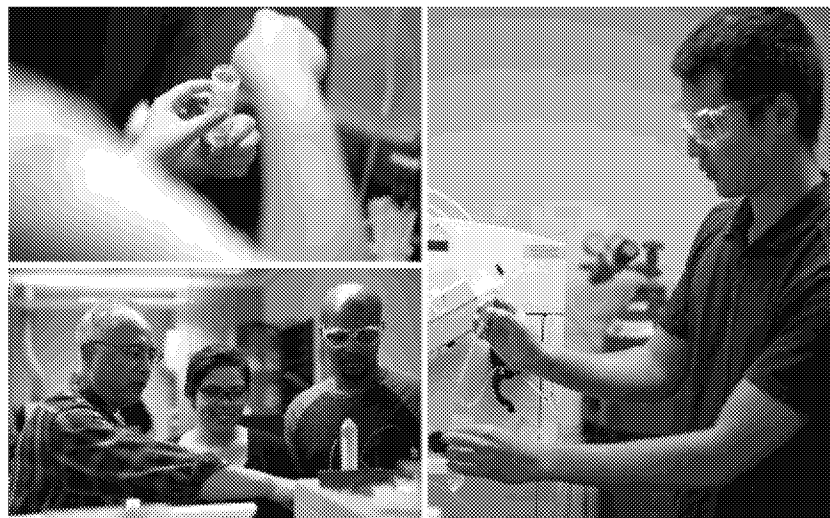
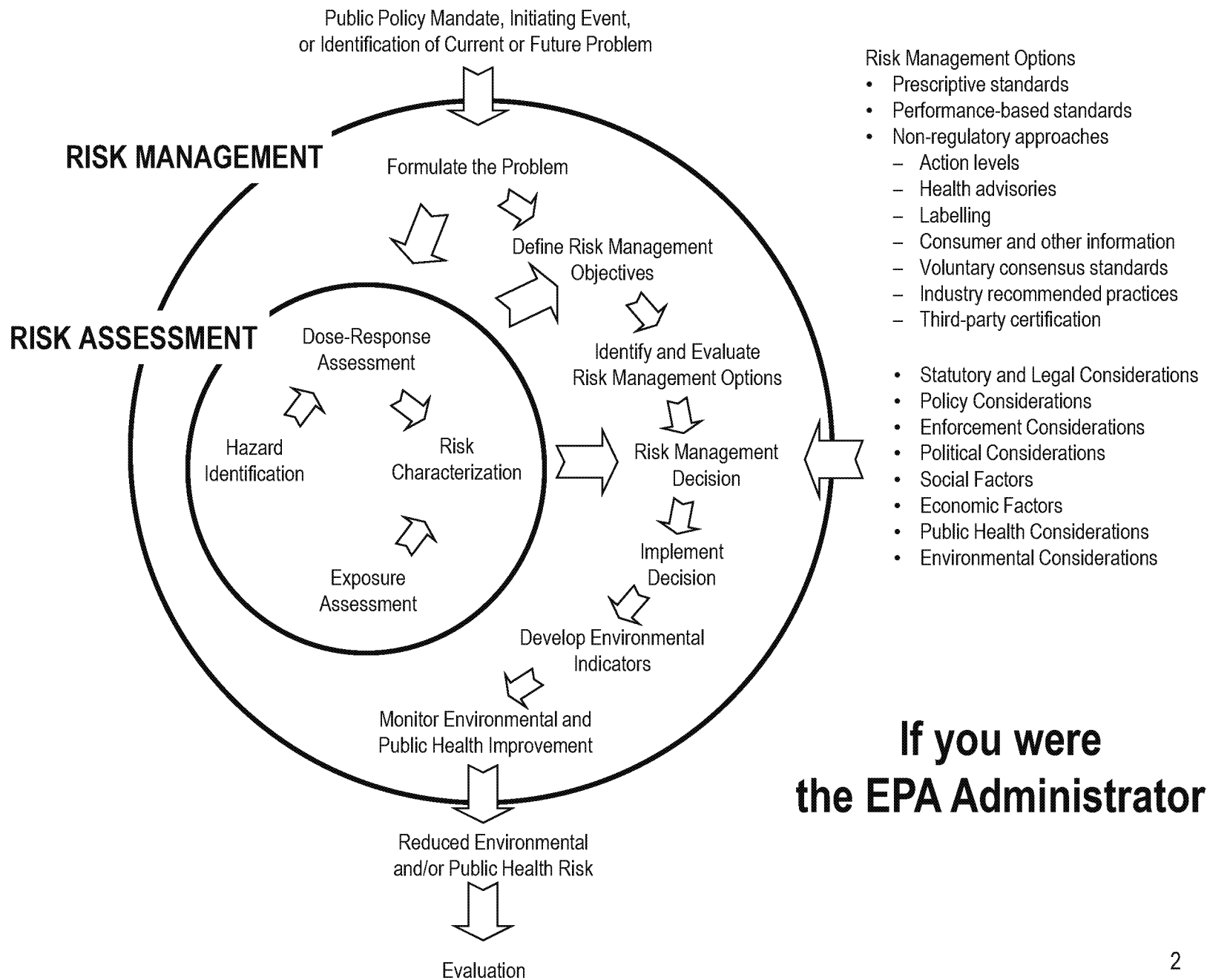


# Master of Science in Environmental Metrology and Policy



GEORGETOWN UNIVERSITY





## **Student Internship and Capstone Project**

- Through a program-funded summer internship followed by guided independent research, students will experience the unique real-world practices of evidence-based environmental policymaking.
- Students will be matched with mentors from EPA and/or NIST on a current policy issue and begin a 10-week summer internship NLT the 1st Monday of June.
- At the end of the internship, students will submit a written proposal that summarizes the research results of their internship and provides a research plan for guided independent research (Capstone Project) in the 2nd year of the EMAP program.
- The results of the student's Capstone Project will be shared in both an oral presentation and final report/paper.

# PFAS Screening of NIST Environmental Reference Materials

**Goal:** To screen existing NIST environmental reference materials (e.g. sludge, drinking water, house dust, sediments) for per- and polyfluoroalkyl substances (PFAS) in order to produce high resolution mass spectra for the identification of common PFAS.

**Instrumentation:** LC, LC-MS, LC-UV, and LC-HRMS

**Skills Needed:**

- Previous chemistry lab experience which includes sample extraction and sample analysis.
- Organic chemistry.
- Beginner level R programming.

**EPA Connection:** PFAS Action Plan <https://www.epa.gov/pfas>.

## If you are interested in a free, one-year EMAP student intern...

- Submit a one paragraph description of the project you would propose the intern to do.
  - Please include any special skills you expect the student intern to already have.
  - Please include any connection(s) to an ongoing NIST effort.
- Send this paragraph to me ([teichman.kevin@epa.gov](mailto:teichman.kevin@epa.gov)) by 12 April 2019.
- EMAP faculty from Georgetown, NIST, and EPA will review all of the EPA , NIST, and EPA/NIST proposed projects and our students' interests.
- We will then provide you a list of interested candidates for you to meet to see if there is a “match” by 19 April 2019.
- More information on the EMAP program can be found at <https://emap.Georgetown.edu#>